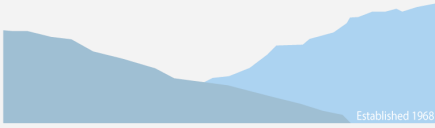


Cracklin' Static

December 2022 Edition



SIERRA NEVADA
Amateur Radio Society

**In-person and
virtual meeting
December 3, 8
AM. for details
see pg 7...**

SNARS NET on DMR – Tuesdays 8pm
DMR Talk Group: 31328 SNARS

SNARS Treasury Closing Balances From As of 11/27/2022

Account	
Operating	\$10,051
Savings	\$7,484
Self Insurance	\$15,990
PayPal	\$1,332
Convention	\$4,151

Total \$39,008

Net Monthly \$269
Net YTD \$(8,231)

Membership Renewals 12

SNARS Membership as of 11/27/22

Extra	134	33%
Technician	126	31%
General	120	30%
Advanced	15	04%
No License	8	02%
Total	403	

SNARS ARRL Members as of 11/27/22

Regular	252	63%
Life	32	8%

PRESIDENT'S VOICE

President John Miller, N7JDM

Email: jmil912@gmail.com



Welcome to December!
At some point I'm told
it will get cold, we'll
have to wait I suppose.

Thanksgiving has come
and gone, I hope every-
one enjoyed the holiday, it's one I always look for-
ward to. Christmas is around the corner, and then
we ring in the new year, my how time flies. 2023 is
coming fast!

Work has been done on repeaters and I'm grateful
for those who have stepped up to assist. We'll soon
hear their accomplishments as the work continues
as weather and schedules permit.

I'll be passing the torch soon and it's been a privilege
to do my part for the club. I'll be able to sit back and
just be a member again after four years on the
board.

That's all for now, see ya!

73, John N7JDM



PO BOX 7727 Reno NV 89510
Yearly Dues: \$40.00 Individual • \$50.00 Family
775.453.4142 <http://snars.org>

2022 Officers

President.....John Miller N7JDM
Vice-President.....John Byerly, N7ROJ
Treasurer.....Doug Edmondo, W7DBE
Secretary.....Anthony Marcin, W7XM
DirectorWes Vick, KG7QXE
DirectorJim Shepherd, W6US
DirectorBarry Bettman, K6ST

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Cracklin StaticHowie Holden, WB2AWQ
W7TA TrusteePeter DeBay, KE7VSR
KR7ENO Trustee.....Howie Holden, WB2AWQ
Control OperatorPat Sheehan, W7DED
Youth Involvement.....Barry Bettman K6ST
NVQSO Coordinator.....Jim Shepherd, W6US
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DMR Net ManagerAnthony Marcin, W7XM
Reno Ham SwapWes Vick, KG7QXE
WebmasterErik Andreasen, K6CZH
Club Sales Manager.....Vacant
Recording Secretary.....Doug Edmondo, W7DBE

Cracklin Static Publication

Editor: Howie Holden **WB2AWQ** - holden7471@msn.com
Cracklin' Static is the Newsletter of, and sponsored by the Sierra Nevada Amateur Radio Society. Cracklin' Static is published the week before meetings. Opinions expressed herein are those of the editors and contributors and should not be considered as official expressions of the Club Officers, Staff or Club Members, or as endorsements by same.

Material for publication may be edited to enhance readability or to save space. We reserve the right to use whatever font size, line spacing or other tools as may be required to publish this Newsletter. **Deadline for input to the newsletter is 1500 hours on the Sunday** prior to the 1st Saturday (or whichever Saturday is the meeting) of each month.

SNARS Wide Area Linked System

147.030 + PL 123.0	Sparks, Fernley, Fallon	Online
147.210 + PL 100.0	Reno, Sparks	Online
147.150 + PL 123.0	Lake Tahoe, Truckee, Carson	Online
146.925 -PL 123.0	Lovelock, Fallon	Online
146.670 -PL 123.0	Winnemucca	Online
444.875 + PL 100.0	Yerington	Not Linked
444.125 + PL 123.0	Reno Sparks	Offline

DMR Systems

444.925 + CC 1	Reno, Sparks	Online
444.825 + CC 1	Dayton, Fallon, Carson	Online
443.925 + CC 1	Lake Tahoe, Truckee, Carson	Online
443.950 + CC 1	Incline Village	Online
442.875 + CC 1	Sparks, Fernley, Fallon	Online
442.850 + CC 1	Downtown Reno	Online
441.950 + CC 1	Fallon, Fernley	Online

Fusion Systems

146.610—DGID 28	Reno, Carson, Dayton	Online
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IRLP / EchoLink Systems

147.300 + PL 123.0	Reno, Sparks	Not Linked
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Packet / APRS

145.050 - RNO	Reno, Carson, Dayton	Online
145.050 - ROSE	Lake Tahoe, Truckee, Carson	Online
144.390 - TOULON	Lovelock, Fallon	Online

Standalone Systems

147.390 + PL 100.0	Reno, Carson, Dayton	Online
443.075 + PL 123.0	Reno, Carson, Dayton	Online
927.0875 + PL 114.8	Reno, Carson, Dayton	Online



Online



Offline



Not Linked

Visit <https://snars.org/repeaters/analog> for additional updates/status on repeaters.

Weekday on the SNARS Linked System

147.030 + PL 123 – Sparks/Fernley
 147.150 + PL123.0 – Lake Tahoe / Truckee
 147.210 + PL 100.0 - Reno
 444.875 + PL 100.0 - Yerington
 146.925 - 123.0 – Lovelock / Fallon
 146.67 – PL 123.0 - Winnemucca

Monday through Friday @ 12:00pm

Open to all amateur radio operators. A general informational net for the amateur radio community of Northern Nevada and Eastern California. Radio Checks and Questions are welcomed.

Nets on the SNARS Linked Systems

147.210 + 100.0 | 147.030 + 123.0 | 147.150 + 123.0
 147.670 – 123.0 | 146.925 – 123.0 | 444.875 + 100.0

SNARS Noon Net	Mon—Fri @ 12:00pm
ERC Net for NV and Northern CA	Monday @ 9:15pm
N. Western NV ARES Net	Thursday @ 7:30pm
Northern Nevada Preppers Net	Wednesday @ 8:00PM
Hospital Net	Friday @ 10:00AM

Nets on Simplex/HF

Jefferson Noon Net	7.204 LSB	Daily - 12:00pm
6 Meter Net	50.350 USB	Tuesday – 8:00pm
2 Meter Weak Signal	144.250 USB	Wednesday - 8:00PM
2 Meter Simplex Net	146.500 FM	Thursday – 8:00PM
10 Meter Net	28.350 USB	Sunday – 2:00PM

Join us on SNARS Telegram Channel



Telegram

a new era of messaging

Visit <https://snars.org/telegram>

Our official channel for members to communicate with each other via chat, ask questions and get the latest information about the club, repeater status and amateur radio events.



SNARS Weekly DMR Net

Tuesdays 8:00PM

SNARS Talk Group 31328

Open to Members and Guests. A general information net each week on DMR.

SNARS CALENDAR

SNARS Board Meeting Wednesday, December 14, 6:00PM. Location and mode Chin Chin, Sparks, and Zoom

HAM RADIO NIGHT on Zoom 7:00 PM
 Monday, December 19, 2022 see
<https://snars.org/hamradionight/>

Reno QRP Group Meeting Tuesday, December 20, 11am – 12pm, Jack's Coffee Shop #2, 605 N Wells Ave, Reno, NV. Presentation on WebSDR by AB7WE. Contact Ed, WD7Y WD7Y@sbcglobal.net for more info. If cancellation is needed, will be announced on the SNARS noon net.

Next months SNARS Breakfast Meeting, January 7, 2022, 8 AM. Location and media mode tentative, depending on Board decision.

WELCOME NEW MEMBERS

As of 29 November there have been no new members of SNARS since the last Cracklin' Static

SKYWARNtm RECOGNITION DAY

SKYWARNtm Recognition Day is a holiday that's observed annually on the first Saturday in December to commemorate the contributions that **SKYWARNtm** radio operators make to the National Weather Service. **SKYWARNtm** is a national network of volunteer severe weather spotters that are trained by the NWS and report instances of tornadoes, severe thunderstorms, hail, and flooding. In some parts of the U.S., these spotters also report on snowfall and ice accumulation in their local areas. <https://www.weather.gov/crh/skywarnrecognition> Dec 3, 2022, 0000Z to 2400Z

It has been a while since we participated in SRD, so, let's see if we can have a great turnout like in years past. We can setup our equipment in the conference room and antennas outside. ARES has two sectioned guyed masts available; coax and whatever accessories need to be added, plus a laptop computer for logging (although that COULD be paper!) One to three stations



would be ideal, running primarily SSB on 40, 20, and/or 15 meters, in the General portion of the bands so that anyone can contact us (or any other modes shown below). Setup would be Friday before the event starts. We need someone to help coordinate the operation along with Bob WA6MTY wa6mtty@gbis.com. Time to run the station event would be determined by the operators.

SKYWARNtm Recognition Day Operating Instructions

1. Object **SKYWARNtm Recognition Day** serves to celebrate the contributions to public safety made by amateur radio operator Skywarn Spotters during threatening weather.

Amateur stations to exchange QSO information with as many National Weather Service Stations as possible on 80, 40, 20, 15, 10, 6, and 2 meter bands plus the 70 centimeter band. Contacts via repeaters are permitted.

Non-Amateur Radio Spotters to exchange weather information as often as possible via Social Media with NWS Offices.

2. Date NWS stations may operate at any time during December 3, 2022 from 0000 - 2400 UTC. (Friday, Dec 2, 4 PM PST to Saturday Dec 3, 4 PM PST)

3. Exchange: Call sign, signal report, QTH, and a one or two word description of the weather occurring at your site ("sunny", "partly cloudy", "windy", etc.).

4. Modes: NWS stations will work various modes including SSB, FM, AM, RTTY, CW, and PSK31. While working digital modes, special event stations will append "NWS" to their call sign (e.g., N0A/NWS). NWS offices may also participate via Social Media platforms throughout the 24 hour period.

5. Station Control Operator: It is suggested that during SRD operations a non-NWS volunteer should serve as a control operator for your station.

6. Event and QSL Information: The National Weather Service will provide event information via the internet. Event certificates will once again be electronic and printable from the main website after the conclusion of SRD. SRD will take place at the National Weather Service near TMCC.

Let me know if you want to head this operation or participate. Wa6mtty@gbis.com
Bob WA6MTY

Member Benefit: SNARS ONLINE HAM SWAP

<https://snars.org/hamswap>

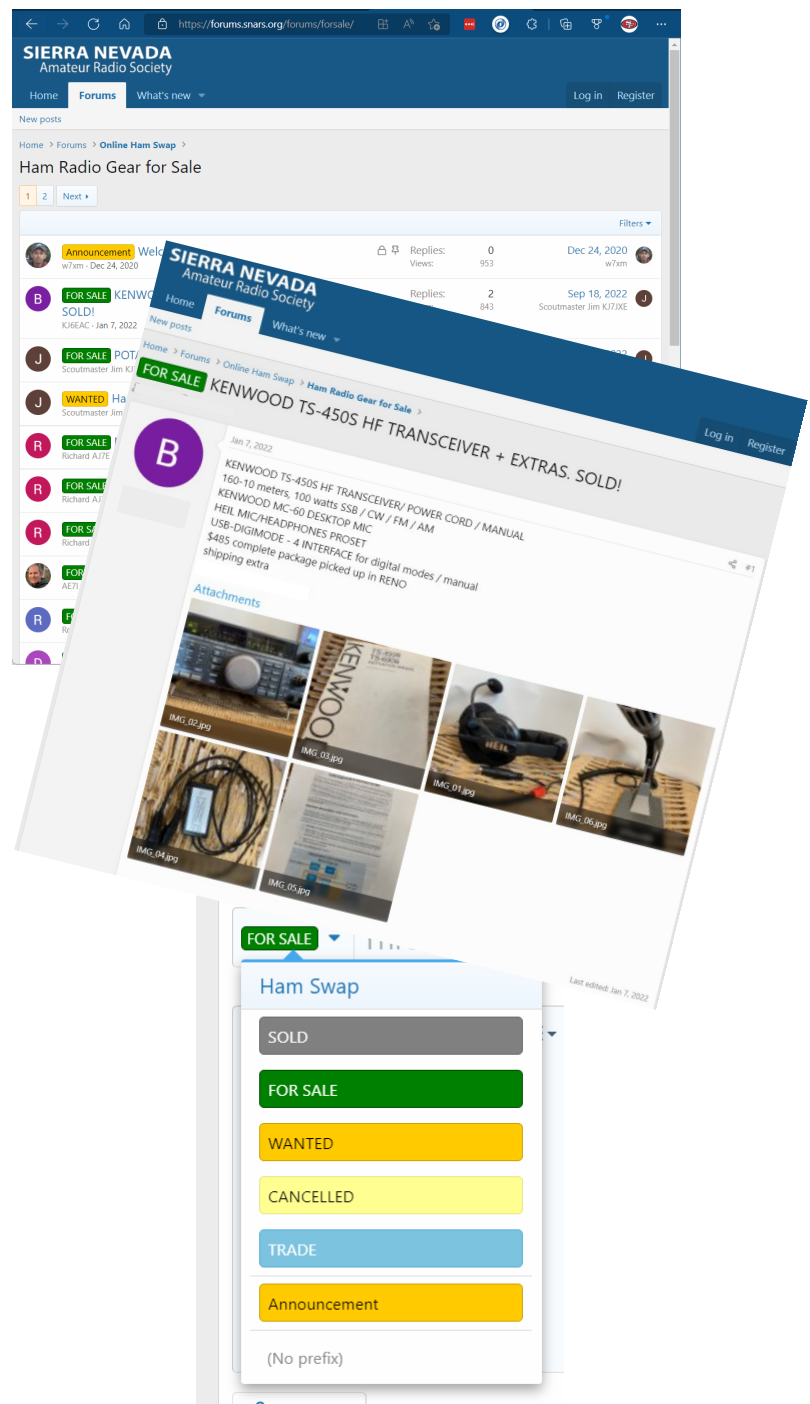
A SNARS members only benefit: We offer members a way to swap gear online and locally throughout the year. The online Ham Swap page provides members an option to list your gear, photos and descriptions for anyone to view.

You can find the swap page by either visiting <https://snars.org/hamswap> or locate the link at the top menu of the SNARS website labeled “Ham Swap”.

General Steps to posting a listing:

- 1.) Using your SNARS account (your_call@snars.org) click the Log in button at the top right. If you don't have a SNARS Account please request one to be set-up by sending an email to membership-team@snars.org.
- 2.) Click the “Post thread” button at top right.
- 3.) Select the post type “For Sale, Wanted, etc.” by clicking the down arrow button left of the title box.
- 4.) Type in a title for your items.
- 5.) Type in the message of any description of the items, condition of items and the best way to contact you. You may also post images of the items (recommended).
- 6.) Once you have completed the post click on “Post thread”.
- 7.) Your posting will now appear for all to view.

Note: you may visit the post anytime to update items and or change the status from for sale to sold by clicking the edit thread button under the three dots button and click edit thread, then click on the down arrow to choose the thread type to Sold or any other status.



If you have any questions about this member benefit please contact us at membershipteam@snars.org

THE NAME OF THE GAME

Jim Shepherd, W6US nvjims@gmail.com

GROUNDING YOUR HAM SHACK

There are two major functions of proper grounding of your ham radio station. The first is electrical safety which includes lightning, and the second is RF efficiency.

Electrical safety is essential in your shack. This requires a proper single point ground system. Just sticking a ground rod outside of your station is not enough and can actually create problems! All locations that are served by commercial power are required to have a proper ground connection (ground rod) at the service entrance. This location may be distant from your ground rod outside of your station. The dirt between these two ground rods is usually a very poor conductor and can allow a voltage potential between them. Since there is usually a #12 or #14 wire connected to the ground buss in the electrical panel that goes to the ground pin in the wall socket in the shack, that is a better connection which will now allow large amounts of current to flow through your radio and all the wall wiring in the case of a lightning strike... The delicate electronics in the radio make a great fuse and will somewhat limit the current, but will turn your radio's guts into smoke... That probably will not matter much as the now melting ground wire will probably set fire to the house...

You must bond that ground rod and your single point ground buss to the service entrance ground with a large low impedance conductor. #2 copper wire or larger is the preferred connection, and it should be installed in as straight of a line as possible. The key word here is 'impedance' as bends, loops, etc increase the impedance of the connection. Lightning is not a pure DC event—the fast rise and changes in voltage create alternating currents so we are more interested in impedance than resistance...

Now that we have taken the bigger current flows out of the system, we need to look at other sources of current. The feedlines to your antennas are the next item to protect. We tend to just think about the center connector in the coax, but that external braid, foil or other shielding is a prime conductor and more exposed to the elements. On commercial towers we bond that shield to the tower grounding system near the antenna, at various locations down tall towers, when it leaves the tower, and again when it enters the building. The center connector is protected with a lightning protection device also at the building entrance... That entrance panel is bonded to the entrance ground rod and single point system.

In the shack, all your equipment needs to be connected to the single point ground system. Do not 'daisy chain' the equipment, but run separate wires to the ground buss. #12 or #14 wire is sufficient for this purpose. Don't forget to ground your metal desk and any racks for your equipment.

A tower mounted on a concrete base with the mounting bolts bonded in the concrete to the reinforcing cage is usually well grounded. It does need to be bonded with at least #2 copper wire to your grounding rod outside of your station. Any additional grounding rods on the site also need to be bonded to this system. The concrete base with the bonded rebar is a Ufer ground and that is very effective. If you are building a new location, you can add Ufer grounding for a very improved system.

Now that we have the electrical safety taken care of, it is time to look at RF grounding. Try to avoid any quarter wave or multiple of a quarter wave at any ham frequency in your ground wires from the equipment to the single point ground or the connections from the single point ground buss to the actual ground rod. This problem comes up mostly with stations that are not on the ground floor. You might have to 'detune' that connection with ferrites or other methods. Don't coil up the wire as you are now adding impedance to your safety grounds...

Common Mode currents are probably the biggest source of RF problems in the shack. The use of baluns at the antenna and ferrites in the station can greatly reduce RF problems. Shielding cables will also help, but avoid connecting the shields on audio or control cables to the equipment at both ends. You want those pieces of equipment to be grounded to the single point buss, not to each other.

Adding radials to your vertical antennas improves the ground around them and will help keep your signal headed out and away instead of soaking up uselessly in the dirt.... I have 30+ radials on a vertical antenna and regularly work DX with 100 watts—the same antenna without lots of radials is ok in the US, but not so good for DX.

Good grounding can help you signal, and, more importantly, protect you so you can continue to be on the air!

SNARS In-Person and Virtual Monthly Meeting

**SNARS (hybrid in-person & virtual Zoom) Monthly Meeting
Saturday, December 3, 2022**

In-Person 8 AM PDT (coffee and donuts)

SNARS Meeting at 9 AM both Zoom and in-person

In-Person @ Regional Public Safety Training Center (5190 Spectrum Blvd, Reno) - or - join us via Zoom

In Person location (no registration, just show up)

Regional Public Safety Training Center

5190 Spectrum Blvd, Reno

Room 103 & 105

PRESENTATION:

**“Inside an Antenna
Company” with M0MCX
Callum McCormick**



**MEETING
NOTICE!**

To join via Zoom, register here:

Questions? Contact Barry K6ST@arri.net

<https://us06web.zoom.us/meeting/register/tZMsc-uupj0rHtlcW8FHA2CWvMW5rMjie21V>

More Info In-Person / Register Zoom: <https://snars.org/monthly-meeting/>

NVQSO RESULTS ARE OUT!

The logs are scored, certificates generated, and the results have been published at <http://nvqso.com/results/2022-results/>. We had good participation this year with only Lincoln County not showing any activity. There was good activity in the rest of the state and it shows up in some much higher scores sent in by out-of-state stations. The High Out-Of-State award went again to John Hrisook, VE5KS, in Saskatchewan Canada with a score of 2070 almost doubling his score from last year.

Highest In-State honors went to the CW station up in Storey County, K7RC, with Skip, K6DGW behind the key, with a score of 113,016 points. Tyler Maggert, K7TDM, took the Low Power Phone Expedition class with the second highest point total of 82420 with a portable setup out on Bedell Flats here in Washoe County.

Thanks to everyone who got on the air and helped with this fun event. There were almost a hundred Nevada stations, but only 25 sent in logs. The new log entry system is much easier to use so hopefully we will get more local entries next year!

73, Jim Shepherd, W6US

SHORT TAKES (By Jim Shepherd W6US)

CONTEST CALENDAR

There are a number major contests this month. On December 3-4 is the FT Roundup and that will bring lots of FT8 and FT4 activity on the bands. The ARRL 10 Meter contest is December 9-11 and EVERY ham can participate as we all have 10 meter privileges... If you haven't already sent me your call and 6 digit grid zone, please send it to me by Thursday, December 8 so I can send it in to the ARRL... The final biggie activity is the Straight Key Night starting at 4pm local time on New Year's Eve. These and other contest information can be found at:

<https://www.contestcalendar.com/contestcal.html>

DX

There are lots of DXpeditions in countries that most of us haven't ever heard of, and probably haven't put in the log... Bangladesh, Gabon, Crozet, and Norfolk Island are some of the better catches to be had this month. There will also probably be a bunch of 'vacation' operations in the warmer climes, so go to the listing at: <https://www.ng3k.com/Misc/adxo.html>

THIRD MONDAY ZOOM HAM RADIO NIGHT

We will have our popular Ham Radio Nights via ZOOM to get your questions answered or learn about different parts of Ham Radio. It will be held at 7pm on Monday, December 19th. More information, including the link will be published before that date.

NAME THAT RIG?

(Answer on page 11)



W7SSB's FUN STUFF

HAM HISTORY 1945 - 1970'S OUR LEGACY IN VIDEO

World War II ended on August 17, 1945. No more than 4 days later, **the US hams were back on the air on VHF!** Europe restarted more slowly. The format of the English license changed, allowing more flexibility, and the first stations were heard on the air in 1946. The marketplace was flooded with surplus military radio equipment. Many of the companies like Hallicrafters, Collins, Hammarlund, National and many others started making not only amateur gear but also consumer products.

America was on a very big expansion in consumer products, housing, infrastructure and technology. Amateur Radio benefited from new radio technologies from the war.

I'm not going to go into new equipment that came out of the war but how some of the hams of that era used it. There were some really exciting videos at the time from some famous and not so famous operators!

<https://www.youtube.com/watch?v=0bJPY96NaSs> Please watch the whole video, it's very interesting!



Barry Goldwater in Antarctica K7UGA

https://www.youtube.com/watch?v=uaTm_LUifUI you will need to watch half the video before you will see the ham subject.

<https://www.youtube.com/watch?v=5CVnzNNSsdU> The video is a little grainy! Lots of famous hams!



Priscilla Presley - Who Knew!
N6YOS

<https://www.orarc.org/?p=1738> Many people you wouldn't guess were hams!



Walter Cronkite KB2GSD



Don Wallace
W6AM

<https://www.youtube.com/watch?v=E5iVb-3MHEY> W6AM At one time the most powerful amateur radio station in the world!

Amateur radio - a 21st Century hobby

https://www.youtube.com/watch?v=8x6x_6mDVIQ



Tim Allen

See also: <https://www.qsl.net/w5www/famous.html>

Stay tuned!
Don W7SSB

YOUTH INVOLVEMENT

ARRL KIDS DAY - JANUARY 7TH, 2023

<http://www.arrl.org/kids-day>



CQ Kids Day - let's get the kids on the airwaves and have them enjoy ham radio!

This year January 7th, 2023 SNARS we hope to have a local Kids Day event in Reno. This is a club effort and we would love to have many members engage the kids in ham radio. If you would like to help plan or participate, please contact K6ST Barry k6st@arrl.net

Kids Day is designed to give on-the-air experience to young people and hopefully foster interest in getting a license of their own. It is also intended to give older hams a chance to share their station and love for Amateur Radio with their children.



Kids helping kids is really fun!

Saturday, January 7, 2023, is Kids Day. The event gets under way at 1800 UTC and concludes at 2359 UTC. Sponsored by the Boring (Oregon) Amateur Radio Club, Kids Day has a simple exchange suitable for younger operators: first name, age, location, and favorite color. After that, the contact can be as long or as short as each participant prefers.

Kids Day happens twice a year — in January and June — and can be your opportunity to get youngsters on the air and mentor future amateur radio operators to show them the fun and excitement that ham radio has to offer. You might just be introducing the next generation of hams to the airwaves. Share the excitement with your kids or grandkids, a Scout troop, a church or the general public.

Look for activity on these frequencies: 10 meters: 28.350 – 28.400 MHz; 12 meters: 24.960 – 24.980 MHz; 15 meters: 21.360 – 21.400

MHz; 17 meters: 18.140 – 18.145 MHz; 20 meters: 14.270 – 14.300 MHz; 40 meters: 7.270 – 7.290 MHz, and 80 meters: 3.740 – 3.940 MHz. Repeater contacts are okay with the permission of the repeater owner.



On-the-air Elmering is the key to having kids become life-long amateur radio operators

As with any on-the-air activity that includes unlicensed individuals, control operators must observe third-party traffic restrictions when making DX contacts. Additional details are on the ARRL website.

As many communities are taking precautions due to COVID-19, participants are reminded to adhere to social distancing and face mask guidelines where applicable. If it's not feasible to invite youngsters into your shack, consider other options to mentor, such as using social media platforms or via Zoom or other non-contact means.

ARRL KIDS DAY certificates are available to all who participate.



Barry K6ST k6st@arrl.net
Nevada Section Youth Coordinator
ARRL (American Radio Relay League) www.arrl.org

SNARS HAM RADIO NIGHT

3rd Monday of each month at 7PM PT on Zoom
Join together and Elmer each other for Ham Radio Night on
MONDAY, DECEMBER 19, 2022, 7PM

The topic smaller breakout groups will be:

ANTENNAS **VHF/UHF ANALOG**
DMR/FUSION **HOLIDAY CHEER**

Each participant can move themselves around to different breakout topics in zoom conferencing to enjoy.

If you have any questions or would like to be of service as an Elmer, please contact K6ST Barry k6st@arrl.net



Register below for our next Ham Radio Tech Night, SNARS (virtual on Zoom conferencing) Oct. 17, 2022, 7:00PM PST

<https://us06web.zoom.us/meeting/register/tZctd-yurjMqEt1DEBb16yZ9ij3HAAyPBeGE>

FUN STUFF FOR DECEMBER

December isn't the greatest month for major contests because of the holiday season, but there are some! Here are the better ones, including three from the ARRL. I used a different format here because the ARRL hadn't published the December Contest Corral online by the time I went to press. The ARRL ones are shown in BOLD.

ARRL 160-Meter Contest 2200Z, Dec 2 to 1600Z, Dec 4

<http://www.arrl.org/160-meter>

ARRL 10-Meter Contest 0000Z, Dec 10 to 2400Z, Dec 11

<http://www.arrl.org/10-meter>

RAC Winter Contest 0000Z-2359Z, Dec 17

<https://www.rac.ca/contesting-results/>

Stew Perry Topband Challenge 1500Z, Dec 17 to 1500Z, Dec 18

<http://www.kkn.net/stew/>

ARRL Rookie Roundup, CW 1800Z-2359Z, Dec 18

<http://www.arrl.org/rookie-roundup>

CW QRS Xmas Activity 0000Z, Dec 24 to 2359Z, Dec 31

<https://cwqrs.it/en/xmas-activity-2022-rules/>

If you're not into contests, there's always DX to chase! While December has relatively few DXpeditions, most are pretty exciting. Go for it!

Nov 30 to Dec 05	Palau	T88RC
Dec 01 to Dec 09	Vanuatu	YJ0CA
Dec 04 to Dec 17	Maldives	8Q7BB
Dec 06 to Dec 20	Solomon Is	H44SHD
Dec 10 to Dec 16	Bangladesh	S21DX
Dec 20 to Dec 31	Crozet	FT8/c
Dec 29 to Jan 05	Norfolk Isl	VK9MTO
Dec 29 to Mar 15	Gabon	TR8CR

Check <https://www.ng3k.com/Misc/adxo.html> for updates on DXpeditions to make sure they're still a go and see other listings.

RENO QRP SLOW SPEED CW NET

NEXT NET SESSIONS (three of them) WILL BE December 1, 15, and 29, at 11 AM Pacific. (NOTE TIME CHANGE). Check with WD7Y@sbcbglobal.net to confirm times. Target frequency 7.045 MHz, if busy search somewhere near that frequency.

THE FOLLOWING SHOULD ALWAYS BE IN YOUR REPORT:

NAME, RST, LOCATION, RIG, POWER, ANTENNA.

REMEMBER TO INCLUDE RST IN YOUR REPORT

Feel free to add something else in your exchange.

Take some time to report RST for other OP's or anything else that comes to mind.

Sharing information about you and your equipment will accomplish two things.

First It gives you and everybody else practice sending and copying.

Second It is nice to spend time on the air with your friends. Consider this a QRP meeting on the air.

Relax and have some airtime fun with your friends.

73/72 Ed/WD7Y

NAME THAT RIG (from page 8)

In 1967 Hammarlund introduced its new all solid state receiver, the HQ-215. This receiver turned out to be Hammarlund's only solid-state receiver. It had 26 transistors, 13 diodes and two Zener diodes. It was quite a performer for its time, some comparing it to the Collins 75S-3 series. The dial accuracy was just 200 Hz utilizing an effective 21 inch circular dial mounted flat inside the cabinet, quite amazing for 1967. It covered the ham bands (non-WARC) from 3.4 to 30.2 Mhz in 24 selected band segments of 200 Khz. It came with coverage for all of 80, 40, 20, and 15 meters, and the first 200 Khz of the then-10 meter phone band, from 28.5 Mhz to 28.7 Mhz. Other crystals could be added to the bandswitching by the user. Alas Hammarlund, which had planned on a general coverage model, the HQ-225, turned to only parts manufacturing in the very early 70s, then closed its doors in 1973 after several succeeding sales to various buyers, making it one of the longest and earliest companies making "modern" radios in the US. Hammarlund was a victim of the Japanese incursion into US markets. Very few of the HQ-215s survive, making it a relative rarity.

STRAIGHT KEY NIGHT 2023

This 24-hour event is not a contest (thus it isn't listed in the contests!); rather it is a day dedicated to celebrating our CW heritage. Participants are encouraged to get on the air and simply make enjoyable, conversational CW QSOs. The use of straight keys or bugs to send CW is preferred. There are no points scored and all who participate are winners.

Participants are encouraged to also send in to the ARRL a soapbox entry describing their SKN operations. Pictures are also encouraged. Many operators also drag out older equipment, and SKN has become not only a place to show off that prized key or bug, but a place to show off the vintage gear. Unlike contests, SKN isn't limited to the non-WARC bands, and it really doesn't interfere with other operating. So, pretty much anything goes!

I haven't decided which keys I'll use this year yet: Maybe a Signal Electric 1916 Navy spark key, or a 1937 McElroy bug. Who knows! For sure I'll be using a variety of vintage gear. SKN is one of the more popular operating events of the year. January 1, 0001Z to 2359Z. Enjoy!



73, WB2AWQ

ARES NEWS

EVENTS CALENDAR 2023

EVENTS 2023	DATE	DATE END	SPONSOR/ORGANIZER	COORDINATOR	CONTACT
Silver State 50/50 race	5/20/23 ???		Silver State Striders	Steve KS6A	ks6a@sbcglobal.net
Stetina Paydirt	5/20/23		John Prouty; Bike Monkey	Bob Miller WA6MTY	wa6mtty@gbis.com
Lost and Found Gravel Grinder SBTS	6/3/23			Larry Trotter KI6YUK	dltrotter@sbcglobal.net
America's Most Beautiful Bike Ride	6/4/23		Tahoe Amateur Radio Assn	Paul Gulbro, WA6EWV	wa6ewv@juno.com
Pony Express Re-Ride	6/7/2023	6/17/23	SIERA	Jeff Cauhape K7BCV	j_cauhape@yahoo.com
Truckee Tahoe Gravel Race	6/10/23		John Prouty; Bike Monkey	Bob Miller WA6MTY	wa6mtty@gbis.com
Trailblazer Challenge (First event)	6/10/23		Make-A-Wish Foundation	Arlan Robinson KA7ZAU	ka7zau@yahoo.com
Trailblazer Challenge (Second event)	6/24/23		Make-A-Wish Foundation	Arlan Robinson KA7ZAU	ka7zau@yahoo.com
Indian Valley Century Bicycle Ride	TBD			Larry Trotter KI6YUK	dltrotter@sbcglobal.net
Tahoe Rim Trail	7/15/23	7/16/23	Tahoe Mountain Milers	Bob Miller WA6MTY	wa6mtty@gbis.com
Death Ride	7/15/23		Tahoe Amateur Radio Assn	Paul Gulbro, WA6EWV	wa6ewv@juno.com
Alta Alpina Challenge	TBD		Alta Alpina Cycling Club	Jennie Hamiter, KE7YBA	jenniehamiter@mac.com
Vegas to Reno Off Road Race	8/16/23	8/20/23	Best in the Desert Racing Assn	Keith KC7HTK	kc7htkeith@hotmail.com
Tour De Tahoe	9/10/2023 ???		Tahoe Amateur Radio Assn	Paul Gulbro, WA6EWV	wa6ewv@juno.com
Reno Air-Races	9/10/23	9/17/23	WC-ARES	Bob Miller WA6MTY	wa6mtty@gbis.com
Nevada Day Parade	10/28/23		NV AREA NW DEC	John Abrott KD7NHC	jabrott77@gmail.com
Scheels Turkey Trot	11/23/23		WC-ARES	Bob Miller WA6MTY	wa6mtty@gbis.com

NOTE: Plumas ARC always have a need for operators. Go over to some beautiful country and help out the Plumas Amateur Radio Club

Also see the SKYWARN RECOGNITION DAY announcement on page four! All Amateurs are invited to join ARES in the Reno NWS Forecast Office for SRD 2022.

Bob Miller WA6MTY
Emergency Coordinator for Washoe County
Amateur Radio Emergency Service
775 843-5952
www.wcares.us
wa6mtty@gbis.com

SNARS STATION ACTIVITIES

OFFICIAL POTA (Parks on the Air) EVENT

New Year's Week, the First full week of the new year in 2023



Events start at 0000 UTC Saturday and end 2359 UTC Sunday on the days listed: Third full weekends of January, April, July, and October.

New Year's Week, the First full week of the new year.

<https://pota.app/#/events> Casual contacts to help ring in the new year!

See: <https://pota.app/#/> and <https://pota.app/#/activations>



Radio in the Park

Let's get together for:
Post your POTA plans on the SNARS telegram channel
<https://snars.org/telegram> or email K6ST
Barry k6st@arri.net

If you'd like to have YOUR station activities, new additions, etc., posted here, send details, photos, etc., to WB2AWQ@arri.net

As of 29 November, the November Board Meeting Minutes have not been received. They will be published in a later CS.